

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 10/10/2005

DSR Number: 113-05-006R Project Number: _____

NRCS Entry Only

Eligible: YES _____ NO _____

Approved: YES _____ NO _____

Funding Priority Number (from Section 4) _____

Limited Resource Area: YES _____ NO _____

Section 1B Sponsor Information

Sponsor Name: Seventh Ward Gravity Drainage District #2 of Vermilion Parish

Address: 6855 Woodlawn Road

City/State/Zip: Maurice, Louisiana 70555

Telephone Number: (337) 893-1180 Fax: (337) 893-6540

Section 1C Site Location Information

County: Vermilion State: Louisiana Congressional District: 7

POB 29.8347 92.1927

Latitude: POE 29.8295 Longitude: 92.1950 Section: 3 Township: 4S Range: 1E

UTM Coordinates: _____

Drainage Name: Segrara Road Drainage Reach: 5280 ft.

Damage Description: Cross section of channel impaired by storm deposited vegetative and building debris

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

| Site Eligibility | YES | NO | Remarks |
|---|-----|----|---------|
| Damage was a result of a natural disaster?* | X | | |
| Recovery measures would be for runoff retardation or soil erosion prevention?* | X | | |
| Threat to life and/or property?* | X | | |
| Event caused a sudden impairment in the watershed?* | X | | |
| Imminent threat was created by this event?*** | X | | |
| For structural repairs, not repaired twice within ten years?*** | X | | |
| Site Defensibility | | | |
| Economic, environmental, and social documentation adequate to warrant action? (Go to pages 3, 4, 5 and 6 ***) | X | | |
| Proposed action technically viable? (Go to Page 9 ***) | X | | |

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES X NO _____

Comments: _____

* Statutory

** Regulation

*** DSR Pages 3 through 6 and 9 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages. 1 of 14

Approved 7/2005

DSR NO: 113-05-006R

Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A:

Total installation cost identified in this DSR: Section 3: \$51,942.35

Section 1F NRCS State Office Review and Approval

Reviewed By: _____ Date Reviewed: _____
State EWP Program Manager

Approved By: _____ Date Approved: _____
State Conservationist

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95-334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.)

Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotope, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write USDA, Director of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (800)795-3272 (voice) or (202)720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

| 2A Resource Concerns | 2B Existing Condition | 2C Alternatives and Effects | | |
|------------------------------------|--|--|--|--|
| | | Proposed Action | No Action | Alternative |
| | | Remove debris & displaced marsh and organic soil deposited in channel work from one side | Leave debris and displaced marsh in channels | Remove debris & displaced marsh and organic soil deposited in channel work from both sides |
| | | 2D Effects of Alternatives | | |
| Soil | | | | |
| Bank Erosion | Stable except where flow diverted around debris | Cause temporary increase in bank erosion where existing vegetation is disturbed from constr | Erosion from flow diversion will stabilize at some point; however flooding will continue | Cause temporary increase in bank erosion where existing vegetation is disturbed from constr |
| Compaction | No compaction | Heavy equipment will not cause increase in soil compaction if worked from existing road | No compaction of soil | Heavy equipment not cause some increase in soil compaction at access points and along channel |
| Water | | | | |
| Flooding | Property upstream of blockages subject to flooding from rainfall | Reduce upstream flooding to pre-storm conditions | Property upstream of blockages subject to flooding from rainfall | Reduce upstream flooding to pre-storm conditions |
| Quality (dissolved oxygen) | Due to organic matter blocking channel, water is stagnant and organic material decomposing | Improve dissolved oxygen by allowing water flow and removal of excessive organic matter | Continued stagnation and decomposition of organic matter reducing DO | Improve dissolved oxygen by allowing water flow and removal of excessive organic matter |
| Sediments and turbidity | Water is dark and turbid | Heavy equipment excavating displaced marsh will temporarily increase turbidity with long term improvement | Turbidity will increase slightly due to erosion of channel around blockages | Heavy equipment excavating displaced marsh will temporarily increase turbidity with long term improvement |
| Air | | | | |
| Particulate matter less than PM 10 | No particulate matter is being generated by material in channel | Slight increase in particulate matter during removal of debris | No change in particulate matter | Slight increase in particulate matter during removal of debris |
| Plant | | | | |
| Riparian Area | Limited to no riparian wooded riparian area along channel | No change | No change | No change |
| Aquatic Health and vigor | Very low due to stagnant turbid water | Improved with removal of debris through improved water quality | No effect | Improved with removal of debris through improved water quality |
| | | | | |
| | | | | |
| Animal | | | | |
| Aquatic habitat | Poor due to poor water quality | Improved with removal of debris allowing water flow and improved water quality (increase in DO and reduction of turbidity) | Water quality will continue to degrade over time | Improved with removal of debris allowing water flow and improved water quality (increase in DO and reduction of turbidity) |
| | | | | |
| | | | | |
| | | | | |
| Other | | | | |
| Mosquito and insect vectors | Stagnant pools provide habitat for mosquito population increase | Reduced stagnant pools which are the habitat for mosquitoes | Stagnant pools will remain | Reduced stagnant pools which are the habitat for mosquitoes |
| | | | | |

Section 2E Special Environmental Concerns

| Resource Consideration | Existing Condition | Alternatives and Effects | | |
|------------------------------------|--|--|---|---|
| | | Proposed Action | No Action | Alternative |
| Clean Water Act Waters of the U.S. | Poor Water Quality, Low DO, High BOD | Improved water quality. CWA 404 Permit required. Water Quality Certification possible. | Decreased water quality. Increased blockage and flooding | Improved water quality. CWA 404 Permit required. Water Quality Certification possible. |
| Coastal Zone Management Areas | Project area is within Coastal Mgmt. Zone | CUP required | N/A | CUP required |
| Coral Reefs | N/A | N/A | N/A | N/A |
| Cultural Resources | Use FOTG guidance. State level review needed | Same as existing | Same as existing | Same as existing |
| Endangered and Threatened Species | Use FOTG guidance. USFWS/LDWF list shows species in parish, but none are likely in project area | No impacts | No impacts | No impacts |
| Environmental Justice | Not a factor in this project area | Not a factor in this project area | Not a factor in this project area | Not a factor in this project area |
| Essential Fish Habitat | No essential fish habitat within this project area | No essential fish habitat within this project area | No essential fish habitat within this project area | No essential fish habitat within this project area |
| Fish and Wildlife Coordination | No stream modification proposed | Will coordinate if issues arise in CWA 404 permit application process | N/A | Will coordinate if issues arise in CWA 404 permit application process |
| Floodplain Management | Project boundary is within 100 year floodplain | Improve drainage and reduce level of flooding to pre hurricane conditions | N/A | If selected, project will improve drainage and reduce level of flooding to pre-storm conditions |
| Invasive Species | Chinese Tallow trees along channel in several segments | Will remove some invasive trees at access locations and allow increased control opportunities | Will likely increase | Will remove some invasive trees at access locations and allow increased control opportunities |
| Migratory Birds | Provides habitat for neotropical migrants | Slightly reduce habitat for neotropical migrants where trees are removed | Continue to provide same level of habitat | Slightly reduce habitat for neotropical migrants where trees are removed |
| Natural Areas | Use FOTG guidance. No natural areas identified in project area | Use FOTG guidance. No natural areas identified in project area | Use FOTG guidance. No natural areas identified in project area | Use FOTG guidance. No natural areas identified in project area |
| Prime and Unique Farmlands | Use FOTG guidance and soil survey. Gy soil occurs in project area. Gy soil project area, but not prime in urban area | Gy soil occurs in project area, but not prime when in urban area | Gy soil occurs in project area, but not prime when in urban area | Gy soil occurs in project area, but not prime when in urban area |
| Riparian Areas | Downed timber has reduced and altered forested riparian habitat | Some standing timber will be removed at access points on one side of channel. Will restore naturally | Downed timber and altered forest riparian area will remain until natural process restores habitat | Some standing timber will be removed at access points on both side of channel. Will restore naturally |
| Scenic Beauty | Use FOTG guidance. Downed timber has reduced aesthetics of stream and riparian areas | Stream aesthetics will be restored. Riparian habitat will not be noticeably impacted | Downed timber in stream and along riparian areas will continue to reduce aesthetics. | Stream aesthetics will be restored. Riparian habitat will not be noticeably impacted |
| Wetlands | Downed timber and debris has altered wetland functions and values | Removal of debris will restore nature wetland functions and values to pre-storm conditions | Wetland functions and values will remain altered. | Removal of debris will restore nature wetland functions and values to pre-storm conditions |
| Wild and Scenic Rivers | Use FOTG guidance. No listed streams affected by project | No impact on listed streams or rivers | No impact on listed streams or rivers | No impact on listed streams or rivers |

BB
12/15/05

Completed by Michael Tullos

Date 10/10/05

Section 2F Economic**This section must be completed by each alternative considered (attach additional sheets as necessary).**

| | Future Damages (\$) | Damage Factor (%) | Near Term Damage Reduction |
|--|---------------------|-------------------|----------------------------|
| Properties Protected (Private) | | | |
| 112 homes @ \$60,000 | \$6,720,000 | 25 | \$1,680,000 |
| | | | |
| | | | |
| | | | |
| Properties Protected (Public) | | | |
| See attachment #1 | 1,500,000 | 25 | \$375,000 |
| | | | |
| | | | |
| | | | |
| Business Losses | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Other | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Total Near Term Damage Reduction \$ | | | \$2,055,000 |
| Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3) | | | \$2,003,057 |

Completed By: Michael Perry Date: 10/28/05

Section 2G Social Consideration This section must be completed by each alternative considered

(attach additional sheets as necessary).

| | YES | NO | Remarks |
|---|-------------------------------------|-------------------------------------|--|
| Has there been a loss of life as a result of the watershed impairment? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Is there the potential for loss of life due to damages from the watershed impairment? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Possibility of drowning due to high water in streets. |
| Has access to a hospital or medical facility been impaired by watershed impairment? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | If another event occurs, severe flooding is inevitable. |
| Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Impairment increased flooding impacts throughout the community |
| Is there a lack or has there been a reduction of public safety due to watershed impairment? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Fire, police and health care providers could not access community. |

Completed By: MN, MT, WM

Date: 10/10/2005

DSR NO: _____

113-05-006R

Section 2II Group Representation and Disability Information

This section is completed only for the preferred alternative selected.

| Group Representation | Number |
|--|--------|
| American Indian/Alaska Native Female Hispanic | 0 |
| American Indian/Alaska Native Female Non-Hispanic | 0 |
| American Indian/Alaska Native Male Hispanic | 0 |
| American Indian/Alaska Native Male Non-Hispanic | 0 |
| Asian Female Hispanic | 0 |
| Asian Female Non-Hispanic | 0 |
| Asian Male Hispanic | 0 |
| Asian Male Non-Hispanic | 0 |
| Black or African American Female Hispanic | 0 |
| Black or African American Female Non-Hispanic | |
| Black or African American Male Hispanic | |
| Black or African American Male Non-Hispanic | 0 |
| Hawaiian Native/Pacific Islander Female Hispanic | 0 |
| Hawaiian Native/Pacific Islander Female Non-Hispanic | 0 |
| Hawaiian Native/Pacific Islander Male Hispanic | 0 |
| Hawaiian Native/Pacific Islander Male Non-Hispanic | 0 |
| White Female Hispanic | 0 |
| White Female Non-Hispanic | 245 |
| White Male Hispanic | |
| White Male Non-Hispanic | 249 |
| Total Group | 494 |

Census tract(s) 9511-1042,1059,1060,1058,1025,1062

Completed By: MN,MT, WM

Date: 10/10/2005

Section 21. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Seventh Ward DD is responsible for easements, permits, and permissions. Permit acquisition and/or consultation will take place for:

C.U.P process

CWA permit

Water Quality Permit (LDNR/DEQ)

SHPO notification/documentation

Mitigation Description:

Accessing debris from one side of channel

Debris will be removed and disposed of in an La. DEQ approved landfill

Proposed action will remove stagnant water conditions resulting in lower vector populations and improved community health.

Work will be continuous until complete to reduce impact to wildlife.

Established access routes will be used at all times to reduce damage from vehicular traffic.

Agencies, persons, and references consulted, or to be consulted:

Seventh Ward Drainage District, Donald F. Sagrera 337-893-0491

US Corps of Engineers, NOD

US Fish and Wildlife Service

La. Dept. of Wildlife and Fisheries

State Historic Preservation Officer (SHPO)

Department of Health and Hospitals

La Dept. of Natural Resources

La Dept. of Environmental Quality

DSR NO: 113-05-006R

Section 3 Engineering Cost Estimate

Completed By: Wendall Meaux

Date: 10/03/2005

This section must be completed by each alternative considered (attach additional sheets as necessary).

| Proposed Recovery Measure (including mitigation) | Quantity | Units | Unit Cost (\$) | Amount (\$) |
|---|----------|-------|----------------|-------------|
| Debris Removal | | | | 0.00 |
| Mobilization & Demobilization | 1 | LS | 10,000.00 | 10,000.00 |
| Channel Obstruction Removal | 5,280 | LF | 7.83 | 41,360.35 |
| Seeding, Sprigging and Mulching | 3 | AC | 200.00 | 582.00 |
| | | | | 0.00 |
| | | | | 0.00 |
| | | | | 0.00 |
| | | | | 0.00 |
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| | | | | 0.00 |
| | | | | 0.00 |
| | | | | 0.00 |
| | | | | 0.00 |
| Total Installation Cost (Enter in Section 1F)\$ | | | | 51,942.35 |

Unit Abbreviations:

| | | | |
|----|-------------|----|-----------------|
| AC | Acre | LS | Lump Sum |
| CY | Cubic Yard | SF | Square Feet |
| EA | Each | SY | Square Yard |
| HR | Hour | TN | Ton |
| LF | Linear Feet | | Other (Specify) |

DSR NO: 113-05-006R

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

| Priority Ranking Criteria | Yes | No | | Ranking Number Plus Modifier |
|---|-------------------------------------|--------------------------|-----------------|------------------------------|
| 1. Is this an exigency situation? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | 1e |
| 2. Is this a site where there is serious, but not immediate threat to human life? | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 3. Is this a site where buildings, utilities, or other important infrastructure components are threatened? | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 4. Is this site a funding priority established by the NRCS Chief? | <input type="checkbox"/> | <input type="checkbox"/> | | |
| The following are modifiers for the above criteria | | | Modifier | |
| a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat? | | | | |
| b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places? | | | | |
| c. Will the proposed action or alternatives protect or conserve prime or important farmland? | | | | |
| d. Will the proposed action or alternatives protect or conserve existing wetlands? | | | | |
| e. Will the proposed action or alternatives maintain or improve current water quality conditions? | | | e | |
| f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats? | | | | |

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

DSR NO: 113-05-006R

Section 5A Findings

Finding: Indicate the preferred alternative from Section 3 (Refer to Section 1E):

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

- ☒ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
Chapter 5.2.2.1.2
Chapter _____
Chapter _____
Chapter _____
Chapter _____

_____ May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: _____

Date: 11-8-05

Section 5B Comments:

Section 5C

Sponsor Concurrence:

Sponsor Representative

Title: _____

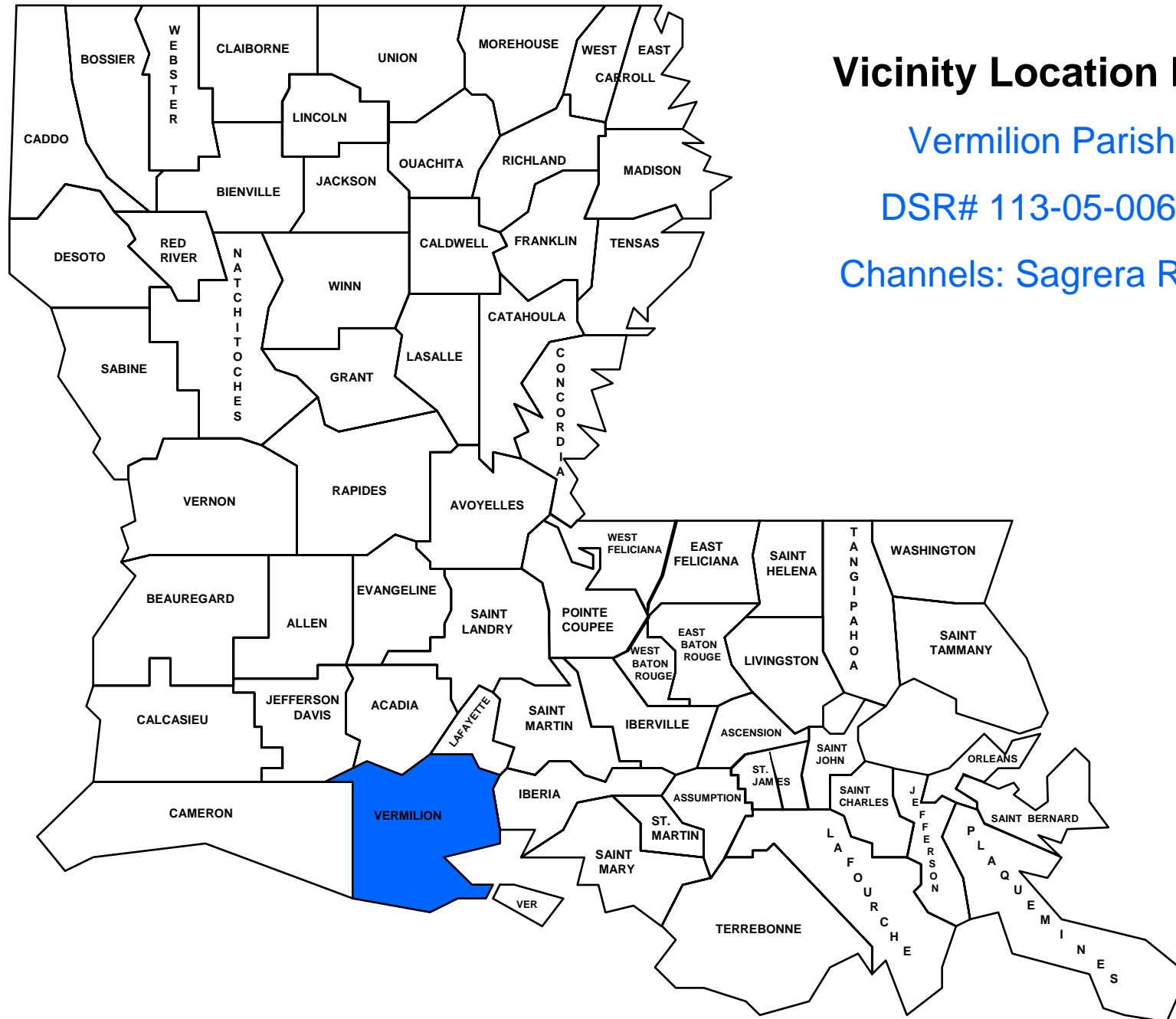
Date: _____

Section 6 Attachments:

- A. Location Map
B. Site Plan or Sketches
C. Other (explain)

SECTION 6

ATTACHMENTS



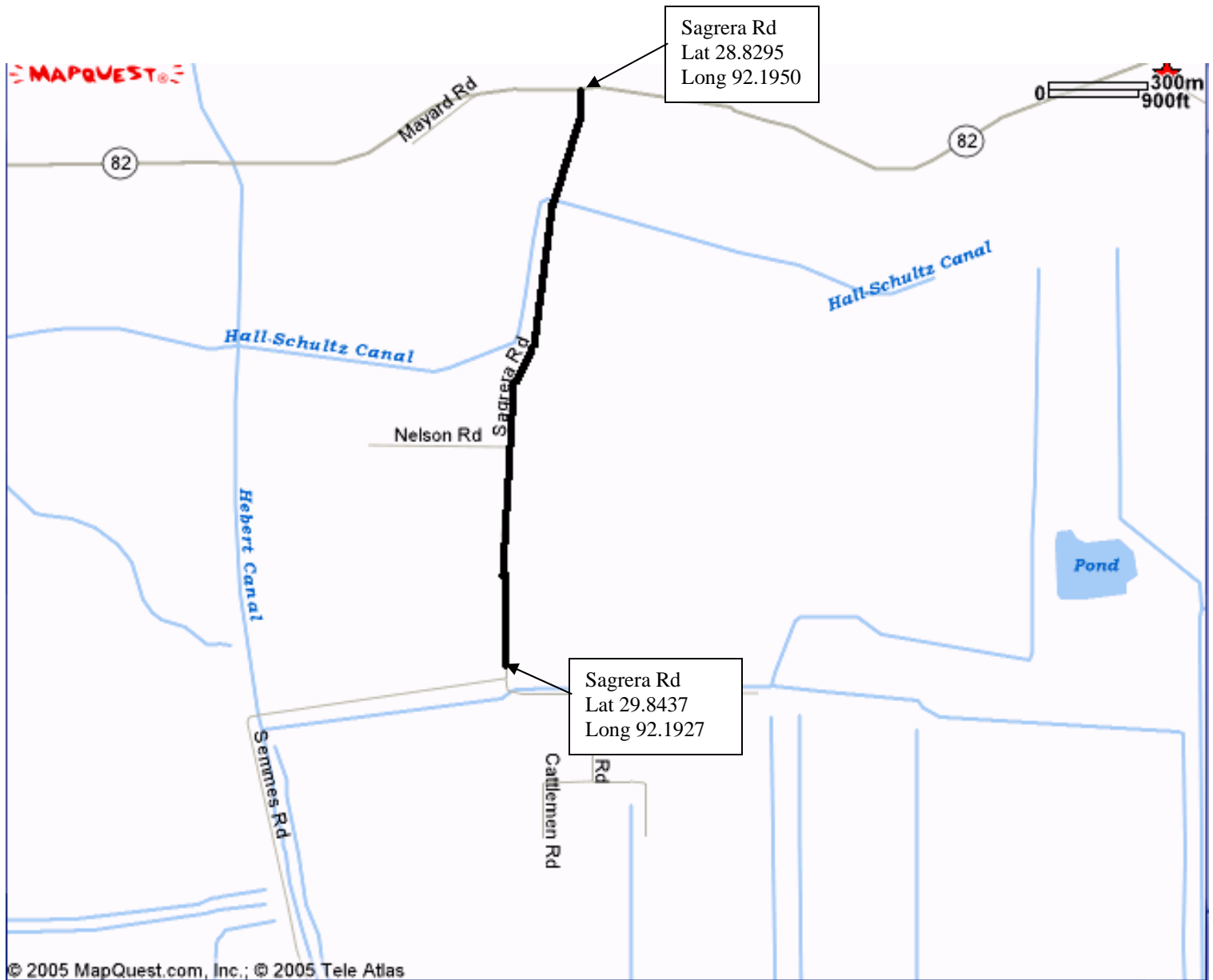
Vicinity Location Map

Vermilion Parish

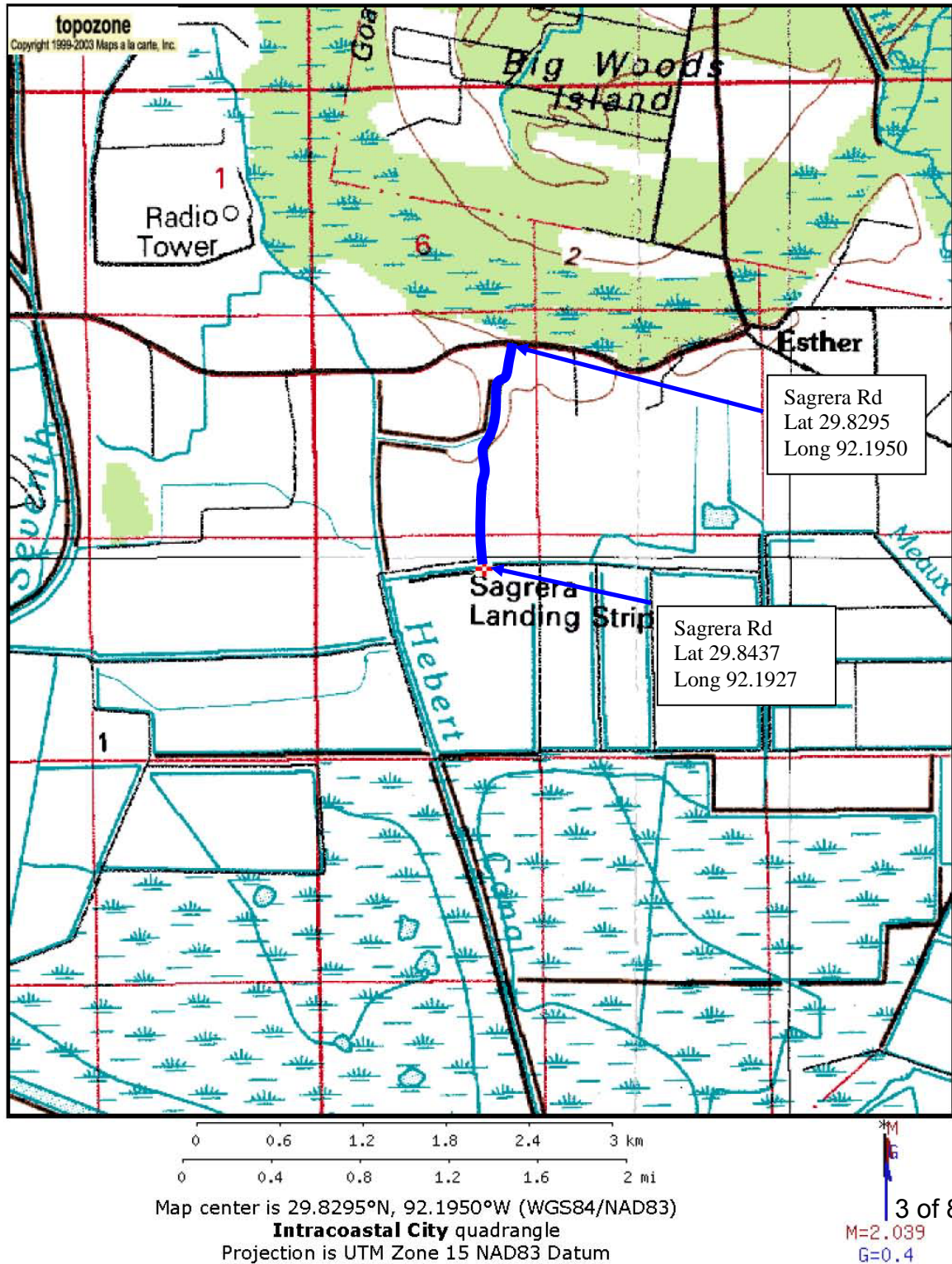
DSR# 113-05-006R

Channels: Sagrera Road

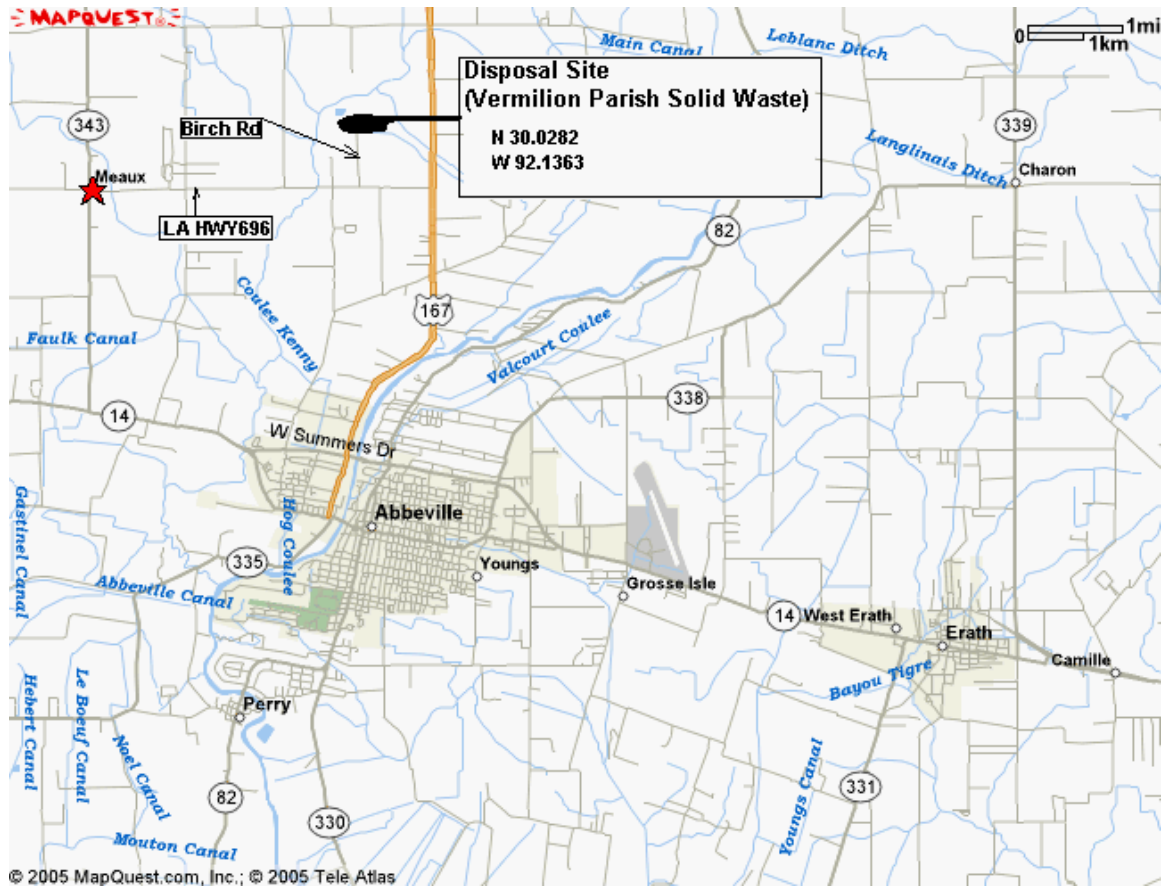
SITE MAP
DSR 113-05-006R
Channel: Sagrera Rd
Vermilion Parish
Estimated Reach Length 5,280 LF



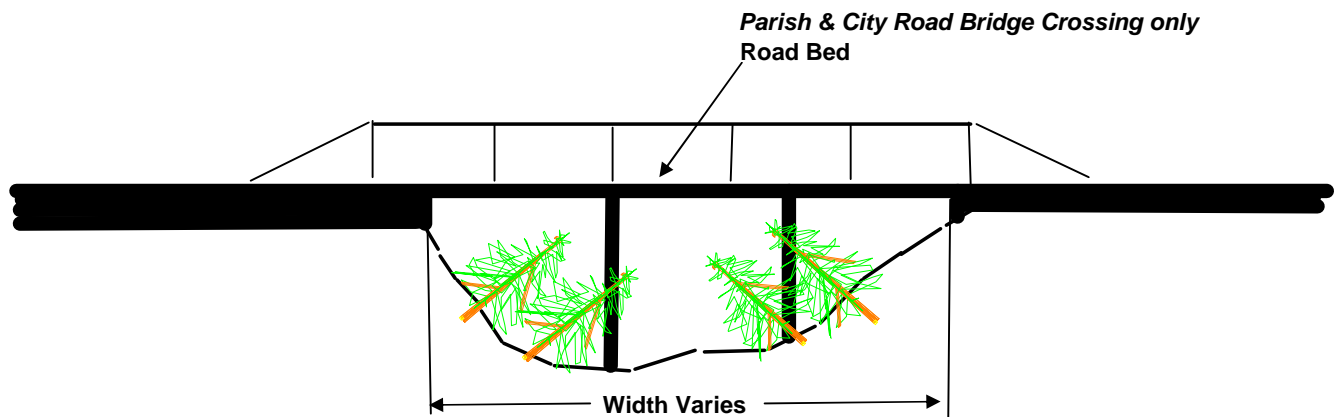
TOPO MAP
DSR 113-05-006R
Channel: Sagrera Rd
Vermilion Parish
Estimated Reach Length 5,280 LF



DISPOSAL SITE LOCATOIN
DSR 113-05-006R
Channel: Sagrera Road
Vermilion Parish



Debris Removal



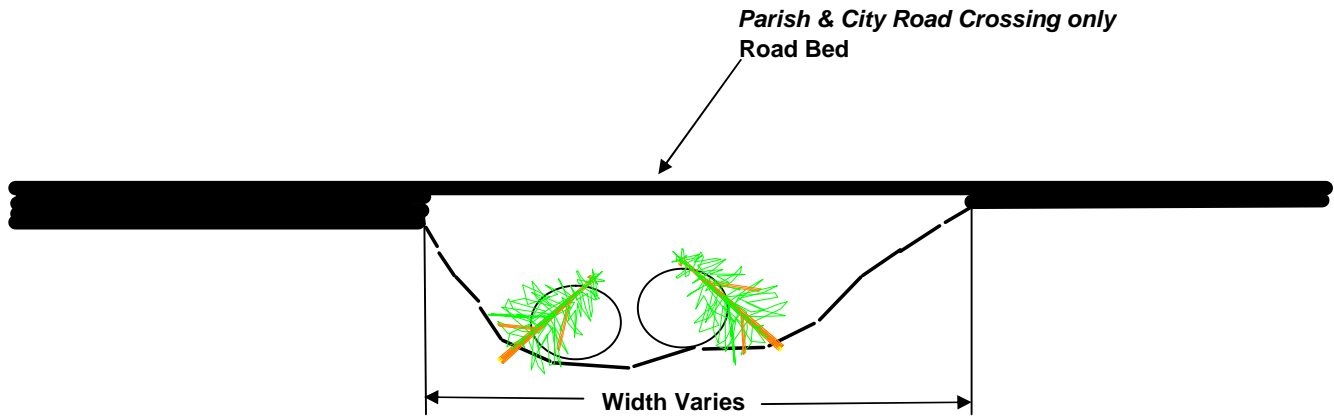
Note: Contract is to remove Debris from upstream and downstream Bridge which includes underside of bridge

Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Bridge Crossing Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

Debris Removal

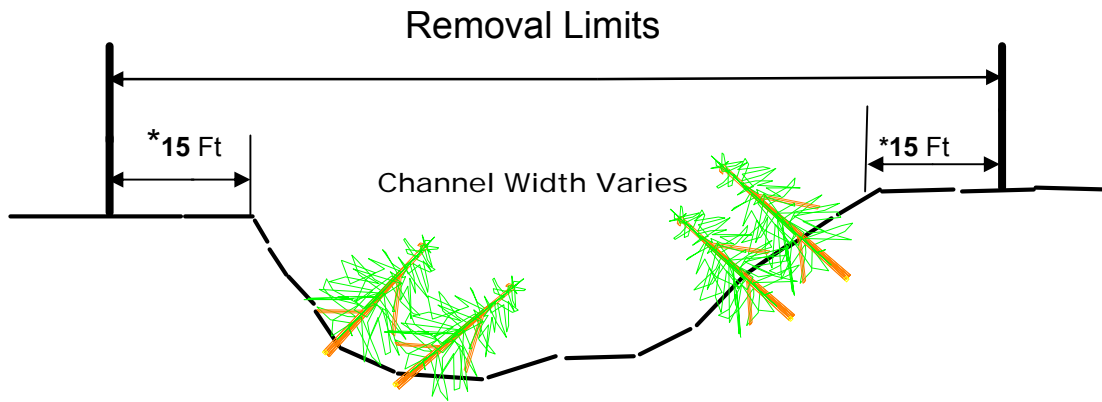


Note: Contract is to remove Debris from upstream and downstream Culverts which includes inside of culverts
Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Culvert type Crossing Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

Debris Removal



Typical Section Not to Scale

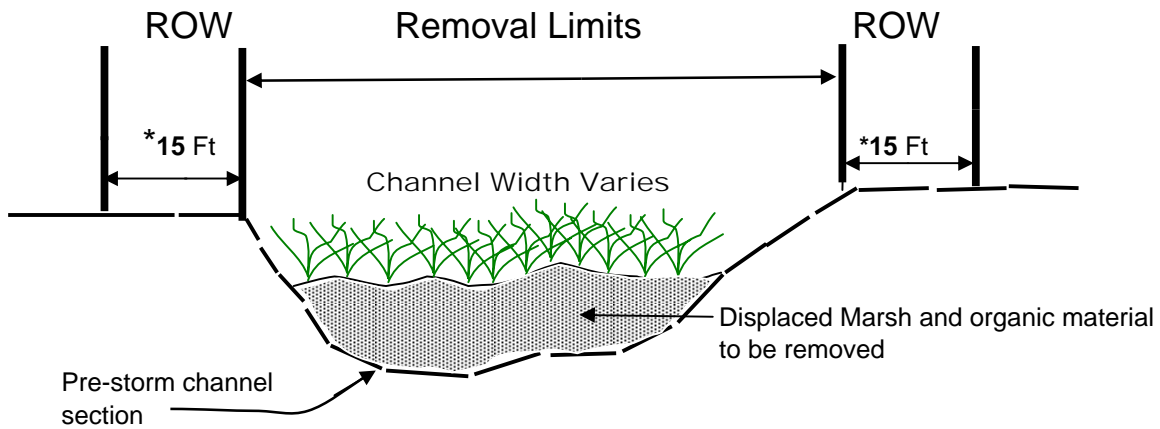
Notice:
48 Hours Before Digging
Call 1-800-272-3020

***Note:** Rights of way on both sides; however work to be performed on one side only in any reach as concurred in by COTR.

Exception it may be possible that trees which were located outside of the the right of way may have fallen into the right of way, these trees will be removed which may be located outside of the work limits.

DSR No:113-05-006R
Channel: Sagrera Road
Vermilion Parish

Debris Removal



Typical Section Not to Scale

**NO EXCAVATION OUTSIDE PRE-STORM
CHANNEL SECTION**

Notice:
48 Hours Before Digging
Call 1-800-272-3020

***Note:** Rights of way on both sides; however work from only one side in any reach as concurred in by COTR. Excavation of displaced marsh material is limited to removal of material to the pre-storm channel section. This is determined by sections adjacent to the debris in undamaged channel sections. Also invert not to be lowered below existing culvert elevations within channel.

Exception it may be possible that trees which were located outside of the the right of way may have fallen into the right of way, these trees will be removed which may be located outside of the work limits.

DSR No: 113-05-006R

Section 3 Engineering Cost Estimate

Completed By: Wendall J Meaux

Date: October 11, 2005

This Section must be completed by each alternative considered (attach additional sheets as necessary)

[illegible]

| Unit Abbreviations: | | | |
|----------------------------|-------------|--------------|-------------|
| AC | Acre | LS | Lump Sum |
| CY | Cubic yard | SF | Square Feet |
| EA | Each | SY | Square yard |
| HR | Hour | TN | Ton |
| LF | Linear Feet | Other | (Specify) |

DSR No: 113-05-006R

Selected Alternative

Vermilion Parish
Sagrera Rd.

Section 3 Engineering Cost Estimate Worksheet

Completed By: Wendall J Meaux

Date: 11-Oct-05

Type of Work: Debris and Sediment Removal

Shaded cells require information input

Location of Work:

Township(s)
14SRange(s)
3ESection(s)
7, 18Quadrangle(s)
Intracoastal City

Sagrera Rd

Latitude Longitude

Downstream Start:

29.82955 92.19508

Upstream End:

29.84367 92.19273

Estimated Length of Work Segment (ft): 5,280

| Item No. | Proposed Recovery Measure | Quantity | Units | Unit Cost | Amount |
|----------|--|----------|-------|-------------|----------|
| 1 | Mobilization & Demobilization | 1 | LS | \$10,000.00 | \$10,000 |
| 2 | Channel Obstruction Removal/Excavation | 5,280 | LF | \$7.83 | \$41,360 |
| 3 | Seeding, Sprigging and Mulching | 2.91 | AC | \$200.00 | \$582 |
| 4 | | | | | \$0 |
| 5 | | | | | \$0 |

Note: Estimated cost of debris removal includes labor and hauling of material to landfill.

Total Estimated Construction Cost \$51,942

Performance Time:

Production Rate
900 Ft/DaySegment Length
5,280 FtProduction Time
6 DaysContract Time
6 DaysEstimated Cost of Equipment with Labor *[Link to Table 1 on Page 2]*Cost per Hour
\$ 705.00Cost per Day(10hrs)
\$7,050.00Contract Time
6 DaysTotal Cost
\$41,360Cost per LF
\$7.83Estimated Cost of Seeding with Labor *[Link to Table 2 on Page 2]*Segment Length
5,280 Ft.Segment Width
12 Ft.No. of Segment
2Acres
3Cost per Ac
\$200Total Cost
\$582

Comments:

SUPPORTING DATA

TABLE 1

| Equipment | Rate per Hour | Quantity | Cost per Hour |
|-----------------------------|---------------|----------|---------------|
| Skidder | \$ 80.00 | 0 | \$ - |
| Dozer w/ operator (Sml) | \$ 50.00 | 1 | \$ 50.00 |
| Dozer w/operator (Lg) | \$ 85.00 | 0 | \$ - |
| Excavator w/ operator | \$ 120.00 | 1 | \$ 120.00 |
| Dump Truck (14yd) | \$ 70.00 | 4 | \$ 280.00 |
| Dump Truck (20yd) | \$ 125.00 | 0 | \$ - |
| Supervisor | \$ 35.00 | 1 | \$ 35.00 |
| Chain Saw w/ Operator | \$ 20.00 | 4 | \$ 80.00 |
| Hookman | \$ 9.00 | 0 | \$ - |
| Labor General | \$ 9.00 | 0 | \$ - |
| *Optional Work | \$ 50.00 | | \$ - |
| Bobcat w/Grapple & Operator | \$ 70.00 | 2 | \$ 140.00 |

\$ 705.00 Cost/Hr
\$ 7,050.00 Cost/Day @ 10hrs/day

TABLE 2

Seeding, Sprigging and Mulching

| Item | Cost per Ac |
|-----------|-------------|
| Materials | \$100 |
| Labor | \$100 |
| Total | \$200 |

TABLE 3

Channel Crossings
Type

Location

Impact

DSR No: 113-05-006R

Section 3 Engineering Cost Estimate Alternative

Completed By: Wendall J Meaux

Date: October 11, 2005

This Section must be completed by each alternative considered (attach additional sheets as necessary)

[illegible]

| Unit Abbreviations: | | | |
|----------------------------|-------------|--------------|-------------|
| AC | Acre | LS | Lump Sum |
| CY | Cubic yard | SF | Square Feet |
| EA | Each | SY | Square yard |
| HR | Hour | TN | Ton |
| LF | Linear Feet | Other | (Specify) |

DSR No: 113-05-006R

Alternative

Vermilion Parish
Sagrera Rd.

Section 3 Engineering Cost Estimate Worksheet

Completed By: Wendall J Meaux

Date: 11-Oct-05

Type of Work:

Debris and Sediment Removal

Shaded cells require information input

Location of Work:

Township(s)
14SRange(s)
3ESection(s)
7, 18Quadrangle(s)
Intracoastal City

Sagrera Rd

Latitude

Longitude

Downstream Start:

29.82955

92.19508

Upstream End:

29.84367

92.19273

Estimated Length of Work Segment (ft):

5,280

| Item No. | Proposed Recovery Measure | Quantity | Units | Unit Cost | Amount |
|----------|--|----------|-------|-------------|----------|
| 1 | Mobilization & Demobilization | 1 | LS | \$10,000.00 | \$10,000 |
| 2 | Channel Obstruction Removal/Excavation | 5,280 | LF | \$10.83 | \$57,200 |
| 3 | Seeding, Sprigging and Mulching | 2.91 | AC | \$200.00 | \$582 |
| 4 | | | | | \$0 |
| 5 | | | | | \$0 |

Note: Estimated cost of debris removal includes labor and hauling of material to landfill.

Total Estimated Construction Cost

\$67,782

Performance Time:

Production Rate
900 Ft/DaySegment Length
5,280 FtProduction Time
6 DaysContract Time
6 Days

Estimated Cost of Equipment with Labor

[Link to Table 1 on Page 2]

Cost per Hour
\$ 975.00Cost per Day(10hrs)
\$9,750.00Contract Time
6 DaysTotal Cost
\$57,200Cost per LF
\$10.83

Estimated Cost of Seeding with Labor

[Link to Table 2 on Page 2]

Segment Length
5,280 Ft.Segment Width
12 Ft.No. of Segment
2Acres
3Cost per Ac
\$200Total Cost
\$582

Comments:

SUPPORTING DATA

TABLE 1

| Equipment | Rate per Hour | Quantity | Cost per Hour |
|-----------------------------|---------------|----------|---------------|
| Skidder | \$ 80.00 | 0 | \$ - |
| Dozer w/ operator (Sml) | \$ 50.00 | 1 | \$ 50.00 |
| Dozer w/operator (Lg) | \$ 85.00 | 0 | \$ - |
| Excavator w/ operator | \$ 120.00 | 1 | \$ 120.00 |
| Dump Truck (14yd) | \$ 70.00 | 4 | \$ 280.00 |
| Dump Truck (20yd) | \$ 125.00 | 0 | \$ - |
| Supervisor | \$ 35.00 | 1 | \$ 35.00 |
| Chain Saw w/ Operator | \$ 20.00 | 8 | \$ 160.00 |
| Hookman | \$ 9.00 | 0 | \$ - |
| Labor General | \$ 9.00 | 0 | \$ - |
| *Optional Work | \$ 50.00 | 1 | \$ 50.00 |
| Bobcat w/Grapple & Operator | \$ 70.00 | 4 | \$ 280.00 |

\$ 975.00 Cost/Hr
\$ 9,750.00 Cost/Day @ 10hrs/day

TABLE 2

Seeding, Sprigging and Mulching

| Item | Cost per Ac |
|-----------|-------------|
| Materials | \$100 |
| Labor | \$100 |
| Total | \$200 |

TABLE 3

Channel Crossings

Type

Location

Impact